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(54) **DATA MAINTAINING SYSTEM UTILIZING DATA DEFINITION SENTENCE**

(57) Abstract

PURPOSE: To automatically update relating data recorded to various files when the data are updated by providing relation mutually between the data in a data definition sentence.

CONSTITUTION: A data structure definition processing means 2 is provided to read a data structure definition sentence 1 to each file and to execute the analysis and transform of the sentence, and a data definition storing means 3 is provided to store the transformed data structure definition sentence. An applied program translation executing means 5 is provided to transform it to an execution form by referring the definition sentence 1 whether a data index described in an applied program 4 is defined or not, and to change the contents of the file with the relative data. A relative data maintenance control means 6 is provided to maintain the other relative file when the contents of the file are changed, and an external file input/output control means 7 is provided to execute input/output processing to an external file 8. Thus, even when the same data exist over the plural files, the data can be automatically maintained just like being existent in one spot.